MODIS sensor Working Group (MsWG) Meeting Summary August 9, 2006

Attendance: Jack Xiong, Aisheng Wu, Xiaobo Xie, Chunhui Pan, Gerhard Meister, Bill Barnes, Zhengming Wan, Chris Moeller, James Kuyper, Gary Toller, Robert Wolfe, Vincent Chiang

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Scheduled Agenda

Item 1: Recent L1B LUT delivery

–Terra forward update - V4.3.0.49 (July 12)
–Terra forward update - V4.3.0.50 (July 27)
–Terra forward update - V5.0.6.19 (August 2)
–Aqua forward update - V4.3.1.31 (July 20)
–Aqua forward update – V5.0.7.13 (July 20)
** Collection 4 LUT update will continue through December 2006.

Item 2: Instrument status

- Terra and Aqua MODIS are in nominal operations.
- Aqua Band 28 D10 b1 increase has been stabilized. Its noise level is within spec.
- New detector b1 increase on Terra Band 28 D6. About 2% increase in b1 (decrease in response) on day granule 2006/213 UTC 18:50 (not SAA related). The NEdT is still within spec.
- Recent Terra TEB detector NEdT increase – observed on Band 28 D8 and Band 30 D3 after recent Blackbody warm-up activity. These two detectors are already listed as noisy detectors in the L1B QA.
- Few seconds of Terra data loss on day 2006/207 at around 14:20 UTC (Terra was in SAA, day orbit) due to MDA2 BITE playback failure. Data loss period was from 12:41:10 to 12:41:18.

Item 3: MCST recent activities

- Provide support for analysis of Terra PC bands cross-talk (PC_XT) correction impact on the scene retrievals.
- We are looking at on-orbit RVS characterization of the reflective solar bands.

Item 4: Around the Table

- **BB:** Reported the IGARSS conference.
- **RW:** The quality of the geo-location has been good and stable with very small changes. Looking at any issue about scanning mirror bearing wear analysis because of the concern on the VIIRS encoder. Other question related to the RSB trending using Moon will be discussed with Jack.
- **CM:** Question on PC_XT coefficient trending on orbit. **JX:** Weiwei is using the lunar data to track PC_XT every month. The method is independent to the method we used when we updated the LUT at the beginning. But her results show stable PC_XT that the coefficients have not changed.
- **GM:** Question on Aqua m1 degradation. **JX:** We are using smoothed SDSM degradation, which is part of the m1 calculation. The tracking on SDSM is very predictable. Right now Aqua is running SD/SDSM calibration schedule every 3 weeks.
- **JX:** No meeting next week because of the SPIE meeting in San Diego.

Next MsWG meeting scheduled on August 23, 2006

Compiled by V. Chiang